Applicant: Lu et al. Attorney's Docket No.: 07917-190001 / UMMC 03-30

Serial No.: 10/789,247 Filed: February 27, 2004

Page : 2 of 11

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Currently amended) A composition comprising nucleic acid molecules, encoding different cytomegalovirus (CMV) polypeptides, wherein the nucleic acid molecules comprise nucleotide sequences encoding: (a) a CMV polypeptide that induces a cell-mediated immune response, (b) a CMV polypeptide that induces a neutralizing antibody response and comprises glycoprotein B (gB) or an antigenic fragment thereof, and (c) a CMV polypeptides polypeptide that induces induce a neutralizing antibody response, wherein the CMV polypeptides comprise and comprises a glycoprotein complex II (gcII) polypeptide or an antigenic fragment thereof; wherein the nucleic acid molecules comprise DNA plasmids.
 - 2. (Canceled)
- 3. (Original) The composition of claim 1, wherein the CMV polypeptides are human CMV (HCMV) polypeptides.
 - 4-6. (Canceled)
- 7. (Currently amended) A composition comprising a plurality of nucleic acid molecules, wherein the nucleic acid molecules comprise nucleotide sequences encoding different human cytomegalovirus (HCMV) polypeptides that induce a neutralizing antibody response, wherein the HCMV polypeptides comprise: (a) glycoprotein B (gB) or an antigenic fragment thereof; and (b) a polypeptide selected from glycoprotein M (gM), or an antigenic fragment of gM, and glycoprotein N (gN), and or an antigenic fragment of gN; wherein the nucleic acid molecules comprise DNA plasmids.

Applicant: Lu et al. Attorney's Docket No.: 07917-190001 / UMMC 03-30

Serial No.: 10/789,247

Filed : February 27, 2004

Page : 3 of 11

8. (Currently amended) The composition of claim 7, wherein the HCMV polypeptides that induce an antibody response consist of: glycoprotein B or an antigenic fragment thereof; gM or an antigenic fragment thereof; and gN or an antigenic fragment thereof.

9-16. (Canceled)

- 17. (Original) A pharmaceutical composition that elicits an immune response against human cytomegalovirus (HCMV) comprising the composition of claim 1 and a pharmaceutically acceptable carrier.
- 18. (Original) A pharmaceutical composition that elicits an immune response against human cytomegalovirus (HCMV) comprising the composition of claim 7 and a pharmaceutically acceptable carrier.
 - 19. (Canceled)
- 20. (Withdrawn) A method of eliciting an immune response against human cytomegalovirus (HCMV) in a subject, the method comprising administering to the subject an amount of a pharmaceutical composition of claim 17 effective to elicit an immune response against HCMV in the subject.
- 21. (Withdrawn) The method of claim 20, wherein administration is by needle injection, needle-less jet injection, gene gun, topical administration, surgical administration, or mucosal administration.
- 22. (Withdrawn) The method of claim 20, wherein the subject is a non-human mammal or a human.
- 23. (Withdrawn) The method of claim 22, wherein the human is sero-negative for HCMV.
- 24. (Withdrawn) The method of claim 23, wherein the sero-negative human is selected from the group consisting of a female between the ages of eleven and forty, a female

Applicant: Lu et al. Attorney's Docket No.: 07917-190001 / UMMC 03-30

Serial No.: 10/789,247 Filed: February 27, 2004

Page : 4 of 11

contemplating pregnancy, a pregnant female, an HIV-infected individual, a future organ transplant recipient, and a future bone marrow donor.

25. (Withdrawn) The method of claim 22, wherein the human is sero-positive for HCMV.

- 26. (Withdrawn) A kit comprising the composition of claim 1 and instructions for administration of the composition to a subject in an amount effective to treat a CMV infection.
- 27. (Withdrawn) The kit of claim 26, wherein the amount is effective to inhibit a future CMV infection.
- 28. (Withdrawn) The kit of claim 26, wherein the amount is effective to treat an existing CMV infection.
- 29. (Withdrawn) The kit of claim 26, wherein the composition comprises DNA plasmids.
- 30. (Withdrawn) A kit comprising the composition of claim 7 and instructions for administration of the composition to a subject in an amount effective to treat a CMV infection.
- 31. (Withdrawn) A kit comprising the composition of claim 9 and instructions for administration of the composition to a subject in an amount effective to treat a CMV infection.
 - 32. (Canceled)
- 33. (Previously presented) The composition of claim 7, wherein the composition comprises a plurality of sets of nucleic acid molecules, each set of nucleic acid molecules encoding a different HCMV polypeptide, and each molecule of a set encoding the same HCMV polypeptide.

34-37. (Canceled)